

Mouse Beta-Defensin 14 ELISA Kit | DEFb14 elisa kit

Mouse Beta-Defensin 14 ELISA Kit

CATALOG # AAA17138	REACTIVITY Mouse
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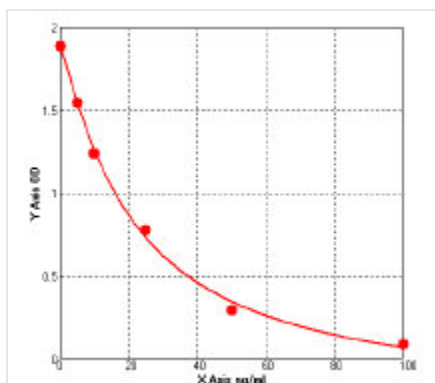
PRODUCT SYNONYMS

Beta-Defensin 14; Mouse Beta-Defensin 14 ELISA Kit; DEFb14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of BDEF14. No significant cross-reactivity or interference between BDEF14 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BDEF14 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DEFb14 elisa kit	Intended Uses: This BDEF14 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse BDEF14. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: BDEF14 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-BDEF14 antibody and an BDEF14-HRP conjugate. The assay sample and buffer are incubated together with BDEF14-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the BDEF14 concentration since BDEF14 from samples and BDEF14-HRP conjugate compete for the anti-BDEF14 antibody binding site. Since the number of sites is limited, as more sites are occupied by BDEF14 from the sample, fewer sites are left to bind BDEF14-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BDEF14 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for DEFb14 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	109732529
NCBI GeneID	244332
Molecular Weight	7,718 Da
NCBI Official Full Name	Defb14 protein
NCBI Official Synonym Full Names	defensin beta 14
NCBI Official Symbol	Defb14
NCBI Official Synonym Symbols	BD-14
NCBI Protein Information	beta-defensin 14
UniProt Protein Name	Beta-defensin 14
UniProt Gene Name	Defb14
UniProt Synonym Gene Names	BD-14; mBD-14
UniProt Entry Name	DFB14_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.